BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Improvements to Roads and Drains at Gupta Layout and Surrounding Area Roads in Ward No 06 Thanisandra**

EMB

Pre-Measurement

Job Code : **007-23-000009**

BRUHATH BANGALORE MAHANAGARAPALIKE
YELAHANKA ZONE
Pre-Measurement

Name of work: Improvements to drain and Construction of Culverts Saraiplaya Govt school surrounding in ward no 07 Thanisandra,

Work Order No: BBMP/EE/BTP/WO/166/2022-23 Dt: 15.03.2023

JOB NUMBER: 007-23-000009

Estimate Cost: 58.00 lakhs.

Name of Contractor : Sri. J.C Ramachandra

Sl No	Description of work	Unit	Mesurement				Qty
			No.	L	B	D	
1	**Earth work Excavation by manual means for drains**,canals, waste weir, drsft, approach ' channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical :specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, i excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22 Vol -1 Pg No 5 item no 1.4.1)						
	For RCC Drain	Cum					
	Saraipalya Main Road L/s		1	20.40	1.20	1.00	24.48
			1	18.90	1.20	1.00	22.68
			1	30.00	1.20	1.00	36.00
			1	16.20	1.20	1.00	19.44
			1	25.40	1.20	1.00	30.48
			1	25.60	1.20	1.00	30.72
			1	23.40	1.20	1.00	28.08
			1	30.60	1.20	1.00	36.72
			1	33.20	1.10	1.00	36.52
			1	25.00	1.20	1.00	30.00
			1	30.00	1.20	1.00	36.00
			1	20.00	1.20	1.00	24.00
			1	30.00	1.20	1.00	36.00
			1	30.00	1.20	1.00	36.00
			1	30.00	1.20	1.00	36.00
			1	14.60	1.20	1.00	17.52
			1	30.00	1.20	1.00	36.00
			1	30.00	1.15	1.00	34.50
	For Culverts						
	Indira Iris apartment entry		1	12.20	1.50	1.00	18.30
	Indira Iris apartment Exit		1	5.50	1.50	1.00	8.25
	1st Cross Road Connecting Saraipalya Main Road		1	4.40	1.50	1.00	6.60
	2nd Cross Road Connecting Saraipalya Main Road		1	6.30	1.50	1.00	9.45
	3rd Cross Road Connecting Saraipalya Main Road		1	3.10	1.50	1.00	4.65
	4th Cross Road Connecting Saraipalya Main Road		1	3.50	1.50	1.00	5.25
	5th Cross Road Connecting Saraipalya Main Road		1	2.30	1.50	1.00	3.45

607.09

	6th Cross Road Connecting Saraipalya Main Road		1	5.20	1.50	1.00	7.80
	7th Cross Road Connecting Saraipalya Main Road		1	6.40	1.50	1.00	9.60
					Actual Qty		624.49
					Limited to TQ		625.80

Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Byatarayanapura Sub Division

2	Providing and laying in **position Plain ' Cement Concrete Mix 1:3:6 (M10)** for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well i . compacted using plate vibrators, including ' all lead & lifts, cost of all materials of ; quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (PWD SR 2021-22 Vol -I Pg 15 item no 2.1 .3						
	For RCC Drain	Cum					
	Saraipalya Main Road L/s		1	20.40	1.10	0.15	3.37
			1	18.90	1.10	0.15	3.12
			1	30.00	1.10	0.15	4.95
			1	16.20	1.10	0.15	2.67
			1	25.40	1.10	0.15	4.19
			1	25.60	1.10	0.15	4.22
			1	23.40	1.10	0.16	4.12
			1	30.60	1.10	0.15	5.05
			1	33.20	1.10	0.15	5.48
			1	25.00	1.10	0.15	4.13
			1	30.00	1.10	0.16	5.28
			1	20.00	1.10	0.15	3.30
			1	30.00	1.10	0.15	4.95
			1	30.00	1.10	0.15	4.95
			1	30.00	1.10	0.16	5.28
			1	14.60	1.10	0.15	2.41
			1	30.00	1.10	0.15	4.95
	For Culvert			30.00	1.10	0.15	4.95
	Indira Iris apartment entry		1	12.20	1.50	0.15	2.75
	Indira Iris apartment Exit		1	5.50	1.50	0.16	1.32
	1st Cross Road Connecting Saraipalya Main Road		1	4.40	1.50	0.15	0.99
	2nd Cross Road Connecting Saraipalya Main Road		1	6.30	1.50	0.16	1.51
	3rd Cross Road Connecting Saraipalya Main Road		1	3.10	1.50	0.15	0.70
	4th Cross Road Connecting Saraipalya Main Road		1	3.50	1.50	0.15	0.79
	5th Cross Road Connecting Saraipalya Main Road		1	2.30	1.50	0.16	0.55
	6th Cross Road Connecting Saraipalya Main Road		1	5.20	1.50	0.16	1.25
	7th Cross Road Connecting Saraipalya Main Road		1	6.40	1.50	0.16	1.54
					Actual Qty		88.75
					Limited to TQ		88.68

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4	Supplying, Fitting and Placing **TMT Fe550 bar Reinforcement** in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)						
	For Drains	Tonne					
A	10 MM Main Bars		1	204	2.85		581.40
			1	189	2.65		500.85
			1	300	2.35		705.00
			1	162	2.35		380.70
			1	169	2.25		381.00
			1	256	2.25		576.00
			1	234	2.25		526.50
			1	306	2.25		688.50
			1	332	2.25		747.00
			1	250	2.25		562.50
			1	300	2.80		840.00
			1	200	2.80		560.00
			1	300	2.65		795.00
			1	300	2.25		675.00
			1	300	2.25		675.00
			1	146	2.25		328.50
			1	300	2.25		675.00
			Total Length in Mtr				10197.95
			wt @ 0.62kg/mtr				**6322.73**
B	8MM Dia Distrubution Bar for Drains		19	20.40			387.60
			18	18.90			333.90
			16	30.00			470.00
			16	16.20			253.80
			15	25.40			381.00
			15	25.60			384.00
			15	23.40			351.00
			15	30.60			459.00
			15	33.20			498.00
			15	25.00			375.00
			22	30.00			672.00
			22	20.00			448.00
			18	30.00			530.00
			18	30.00			540.00
			18	30.00			540.00
			18	14.60			262.80
			18	30.00			540.00
			18	30.00			540.00
			Total Length in Mtr				7966.10
			wt @ 0.39kg/mtr				**3106.78**
	For Culverts						
C	10MM Dia Distrubution Bar		31	12.20			378.13
			32	5.50			176.00
			31	4.40			134.93
			31	6.30			193.20
			31	3.10			95.07
			31	3.50			107.33
			31	2.30			70.53
			31	5.20			159.47

1310.67

		31	6.40			196.27
		Total Length in Mtr				[illegible]
		wt @ 0.62kg/mtr				**934.299**
D	12MM Dia Main Bar					
		2	122	2.30		561.20
		2	55	2.40		264.00
		2	44	2.30		202.40
		2	44	2.30		202.40
		2	44	2.30		202.40
		2	44	2.30		202.40
		2	44	2.30		202.40
		2	44	2.30		202.40
		2	44	2.30		202.40
		Total Length in Mtr				2242.00
		wt @ 0.89kg/mtr				**1995.38**
					Total Wt in Kg	12359.19
					Total Qty in Tonne	**12.36**

17.04.2023

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